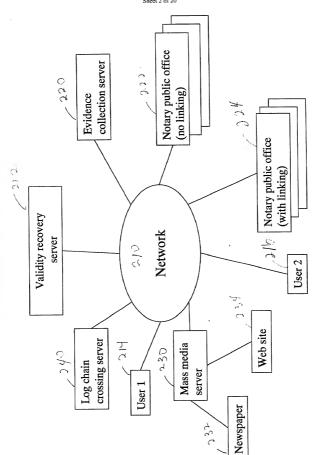
George B. F. Yee, Reg No. 37,478, (650) 326-2400
Atty, Docket: 16869P018300
Title: Method and System for Recovering the Validity of Crygographically Signed Digital Data
Applicant: Kunihiko Miyazaki et al.
Sheet 1 of 20

Public Key 130 Signature Verification DSA Verify Secure Hash Yes or No Result H(M) D9816777 "D382D1 Data Transfer Data Transfer FIG. 1 (PRIOR ART) Secure Hash DSA Sign Sign(H(M)) Message H(M) 3 Signature Generation Private Key





DOBIEZZZ DZEEDI

FIG. 2 Validity Recovery System



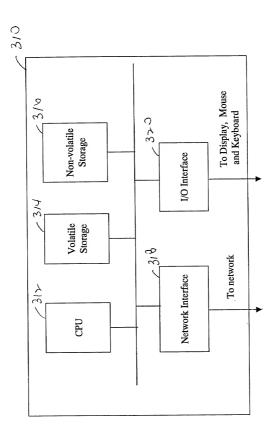


FIG. 3 Example computer

George B. F. Yee, Reg No. 37,478, (650) 326-2400
Atty. Docket: 16869P018300
Title: Method and System for Recovering the Validity of Crygtographically Signed Digital Data
Applicant: Kumliko Miyazaki & al.
Sheet 4 of 20

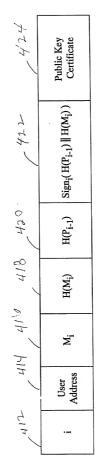


FIG. 4 Message Format

George B. F. Yee, Reg No. 37,478, (650) 326-2400 Atty. Docket: 16869P018300

Title: Method and System for Recovering the Validity of Crygtographically Signed Digital Data Applicant: Kunlinko Miyazaki et al.
Sheet 5 of 20

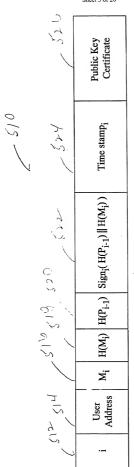


FIG. 5 Message Format with Timestamp

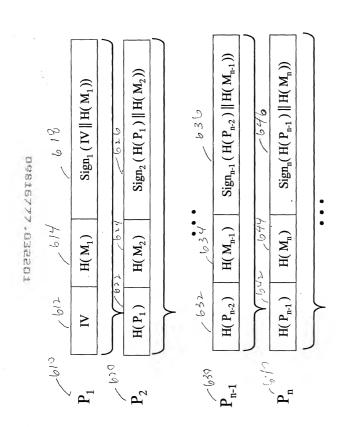


FIG. 6 Signature Log

Title: Method and System for Recovering the Validity of Creptographically Signed Digital Data Applicant: Kunihiko Miyazaki et al. Sheet 7 of 20

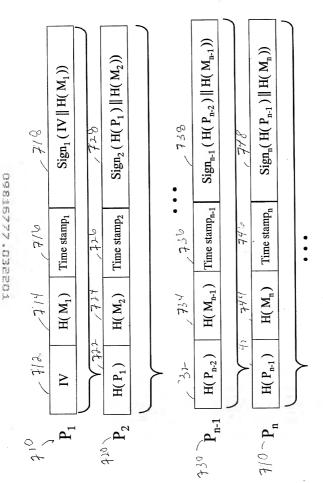


FIG. & Another Signature Log with Timestamp

Title: Method and System for Recovering the Validity of Cryptographically Signed Digital Data
Applicant: Kunlihko Miyazaki et al.
Sheet 8 of 20

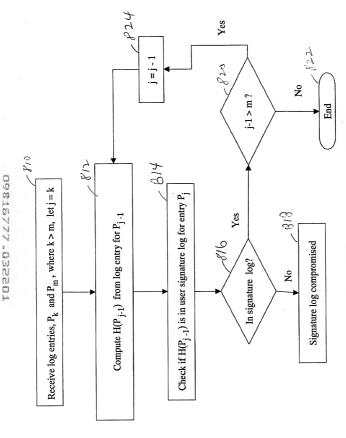
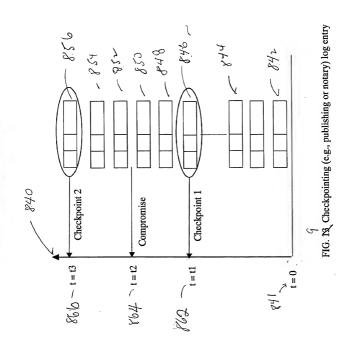


FIG. 8 Validating Log Entries - Backward Chaining



09816777,032201



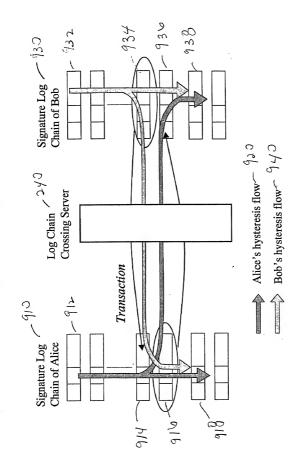
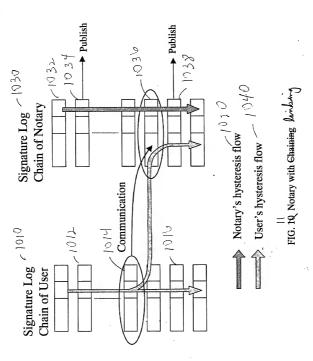


FIG. 10 Log Chain Crossing Server



. 030001

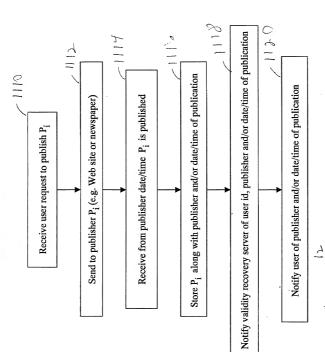


FIG. IX Mass Media Server

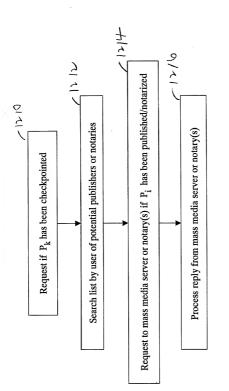


FIG. 13 Recovery Server determining if signature log entry has been checkpointed

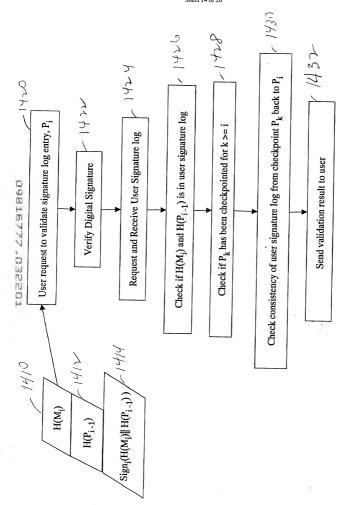


FIG. 14 Recovery Server Validating a user Signature Log Entry

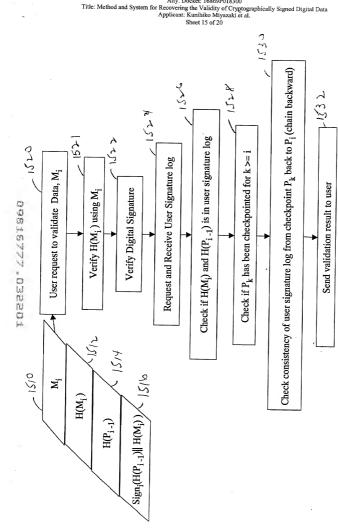
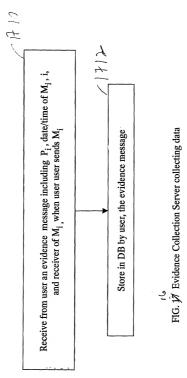


FIG. 15 Recovery Server Validating a user data item

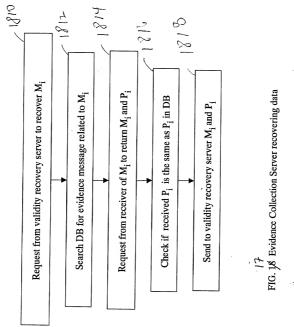
George B. F. Yee, Reg No. 37,478, (650) 326-2400 Atty. Docket: 16869P018300

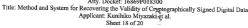
Title: Method and System for Recovering the Validity of Cryptographically Signed Digital Data
Applicant: Kunihiko Miyazaki et al.
Sheet 16 of 20



George B. F. Yee, Reg No. 37,478, (650) 326-2400 Atty. Docket: 16869P018300

Title: Method and System for Recovering the Validity of Cryptographically Signed Digital Data
Applicant: Kunlihko Miyazaki et al.
Sheet 17 of 20





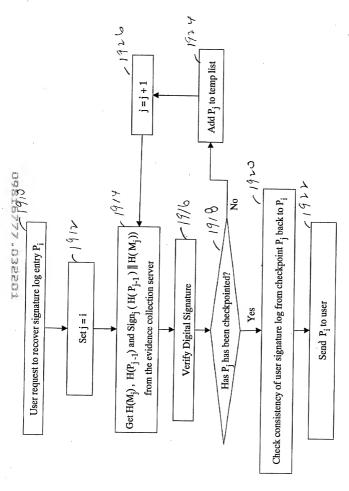


FIG. 18 Recovery Server recovering user signature log entry

Title: Method and System for Recovering the Validity of Crystographically Signed Digital Data Applicant: Kuminiko Myazaki et al. Sheet 19 of 20

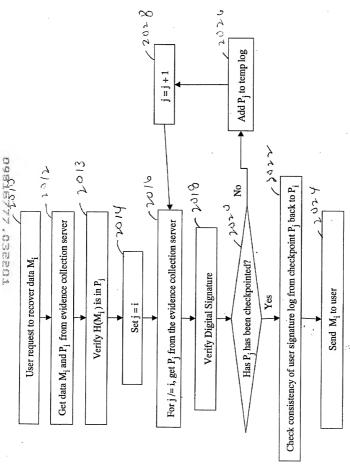


FIG. 19 Recovery Server recovering user data item

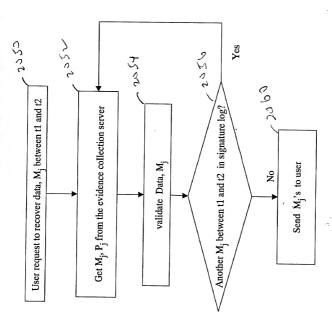


FIG. 20 Recovery Server recovering user data between two points in time